

### Claims

1. Positioning device (13) for the positioning of a reference body (15), via which measured values of a cooking process can be detected, on a rack frame (1) for a cooking appliance, which has a frame (2) to hold at least one insertion column (6) with a plurality of insertion levels (8), in which the positioning device (13) is attached to the rack frame (1) via at least two joining pieces (12), which extend essentially vertically upward or downward from a base frame (3) or upper frame (4) of frame (2).
2. Positioning device according to Claim 1 characterized by the fact that the positioning device (13) has an especially beam- or plate-like section (19) running essentially horizontally between joining pieces (12).
3. Positioning device according to Claim 1 or 2 characterized by the fact that the positioning device (13) is arranged roughly in the center of the height of rack frame (1).
4. Positioning device according to one of the preceding claims characterized by the fact that the positioning device (13) has a recess (14), preferably in the center between joining pieces (12) to receive the reference body (15).
5. Positioning device according to Claim 4 characterized by the fact that the recess (14) has a holding device for the reference body (15), like clamps, boots, hook-in devices, snap-in devices, or the like.
6. Positioning device according to one of the preceding claims characterized by the fact that the positioning device (13) has a sleeve (19) that extends from recess (14) and preferably has an opening (20) that discharges especially into recess (14).
7. Positioning device according to one of the preceding claims characterized by the fact that the positioning device (13) comprises metal.
8. Positioning device according to one of the preceding claims characterized by the fact that the reference body (15) is a ceramic, clay, porcelain, Teflon or carbon fiber tube, or the reference body comprises a granulate filled into sleeve (19), especially encapsulated.

9. Positioning device according to one of Claims 6 to 8 characterized by the fact that the reference body (15) is essentially fully enclosed by sleeve (19), the opening (20) of which extends laterally along the longitudinal direction.
10. Positioning device according to Claim 9 characterized by the fact that the sleeve (19) has an opening on the bottom.
11. Positioning device according to one of the preceding claims characterized by the fact that the reference body (15) is arranged angled with reference to joining piece (12), preferably at an angle of about 45°C.
12. Positioning device according to one of the preceding claims characterized by the fact that at least one sensor (16) and/or cooking process sensor is arranged in and/or on the reference body (15), the sensor (16) or cooking process sensor being operatively connected to a control and/or regulation unit of the cooking appliance.
13. Positioning device according to Claim 12 characterized by the fact that at least one climate parameter, comprising a temperature value within the cooking appliance, a temperature rise, a moisture content, a moisture rise and/or the like can be detected by the sensor (16) or cooking process sensor.
14. Positioning device according to one of the preceding claims characterized by the fact that the measured values of the reference body can be used to determine the dew point.